

SELRD/TEL RD

Airborne Tactical Laser



Date Revised: 30 Jan 03

VENDOR DESCRIPTION

The Switchable Eyesafe Laser Rangefinder Designator (SELRD) and the Tactical Enhanced Laser Rangefinder Designator (TEL RD) are members of Kollsman's family of advanced airborne tactical lasers. These lasers incorporate state-of-the-art diode-pumped laser technology which allows for enhanced laser range performance, enhanced beam quality, greater efficiency and extended life cycles. The system can be configured to operate at the 1.06 tactical wavelength only (TEL RD) or can be configured to operate, via crew station interface, at either the 1.06 or 1.57 eyesafe wavelength (SELRD).



Product Manager
Robotic & Unmanned Sensors

Telephone: (732) 427-5827 / DSN 987

Fax: (732) 427-5072 / DSN 987

e-mail: SFAE-IEWS-NV-RUS@IEWS.monmouth.army.mil

EOIRLD

System	LRF Receiver	Laser
Weight: 5.62 kg or 12.4 lbs	Receiver Type: APD	Wavelength: 1.06 or 1.57 μ m
Cooling: Ambient air	Range Accuracy: ± 5 meters	Pulse Energy: 160mJ @ 1.06, 35mJ @ 1.57
Modes of Operation: Warmup, Standby, Arm, Designate, Boresight, Built-in Test	Range Capabilities: 500m to 19995m	Beam Divergence: 0.420 mrad @ 1.06 μ m, 2.1 mrad @ 1.57 μ m
Operating Altitude: 0 ft to 20000 ft	Receiver FOV: 2.5 mrad	Pulse Width: 18 ± 5 nsec @ 1.06, 15 \pm ns @ 1.57
Operating Temp.: -32°C to +55°C	Receiver Channel Sensitivity: 150nW @ 1.06 μ m, 140nW @ 1.57 μ m	Exit Aperture Diameter: 0.75 in
Storage Temp.: -32°C to 71°C		Warmup Time: < 5 min @ 32°C to +10°C
MTBF: > 4000 hrs		